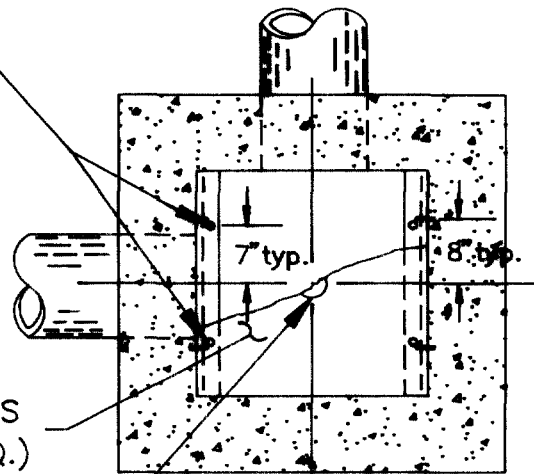
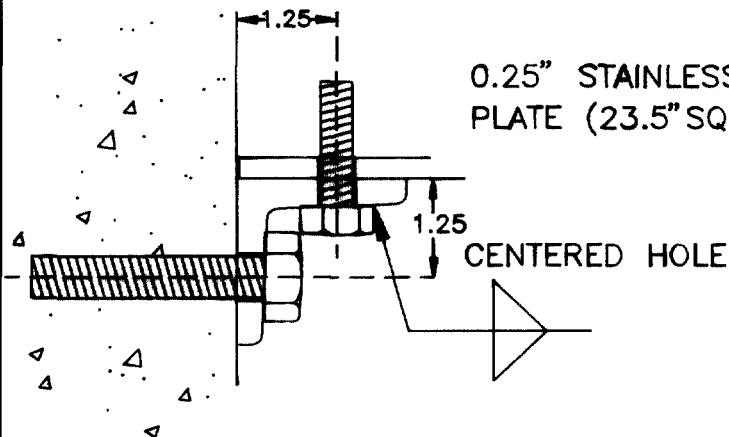


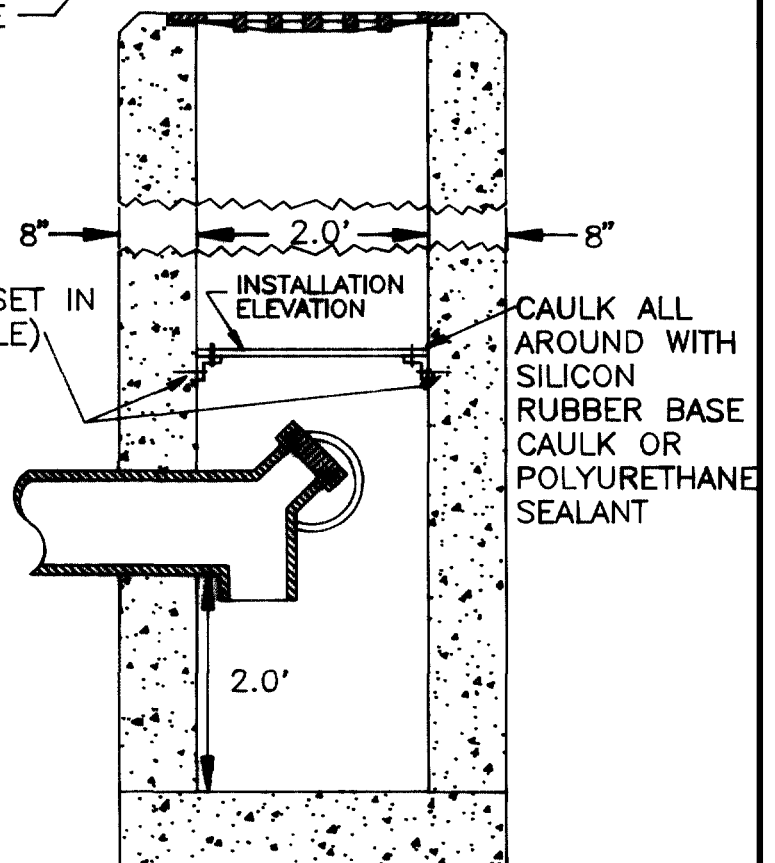
0.375" X 1.5"  $\phi$  STAINLESS  
STEEL BOLTS TACKED ONTO  
2.0" x 2.0" x 0.188"  
STAINLESS STEEL ANGLE  
2 EACH ANGLE



0.25" STAINLESS  
PLATE (23.5" SQ.)



.50 $\phi$  x 2.75" STAINLESS  
STEEL EXPANSION BOLTS SET IN  
WALLS OF CB (2 EA. ANGLE)



#### Orifice Sizing Equation

$$Q = CA(2gH)^{1/2}$$

Q = Peak Discharge Rate, cfs

C = Coefficient of Discharge,  
dimensionless, (use nominal  
value of 0.60)

A = Cross sectional Area of Orifice,  
square feet

g = Acceleration due to Gravity,  
32.16 ft/sec/sec

H = Head on the Orifice, feet

FOR USE IN INLETS  
WITH H-H TRAPS

*W. J. Lee*

STORMWATER PROGRAM MANAGER

*James Francis*  
ADMINISTRATOR

## HORIZONTAL OUTLET CONTROL ORIFICE PLATE

(FOR USE WHEN CONNECTING  
TO COMBINED SEWERS)

CITY OF COLUMBUS

DEPARTMENT OF PUBLIC UTILITIES  
DIVISION OF SEWERAGE & DRAINAGE

STANDARD  
CONSTRUCTION DRAWING

DR. JMR  
CK. \_\_\_\_\_

SHEET 1  
OF 1

FILE NO.  
AA-S146

12/15/93  
APPROVED

REVISED